

WHAT IS CLAIMED IS:

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1. A biopsy device which is compatible for use with a magnetic resonance imaging machine, said device comprising:
 - a. a non-metallic elongated substantially tubular needle having a distal end, a proximal end, a longitudinal axis therebetween, and a port on said elongated needle for receiving a tissue sample; and
 - b. a sharpened distal tip for insertion within tissue, said sharpened distal tip attached to said distal end of said needle and at least partially comprising a material which will leave an artifact under magnetic resonance imaging.
 2. The device of claim 1 wherein said needle comprises a thermoplastic.
 3. The device of claim 1 wherein said needle comprises a glass fiber reinforced polymer resin.
 4. The device of claim 1 wherein said material which will leave an artifact under magnetic resonance imaging is selected from the group comprising: gadolinium, titanium, aluminum, copper, brass and bronze.
 5. A biopsy device which is compatible for use with a magnetic resonance imaging machine, said device comprising:
 - a. a non-metallic elongated substantially tubular needle having a distal end, a proximal end, a longitudinal axis therebetween, and a port on said elongated needle for receiving a tissue sample; and
 - b. a sharpened distal tip for insertion within tissue, said sharpened distal tip attached to said distal end of said needle, said distal tip having a

hollow cavity which is at least partially filled with a material which will leave an artifact under magnetic resonance imaging.

- 5 6. The device of claim 5 wherein said needle comprises a thermoplastic.
7. The device of claim 5 wherein said needle comprises a glass fiber reinforced polymer resin.
- 10 8. The device of claim 5 wherein said material which will leave an artifact under magnetic resonance imaging is selected from the group comprising: gadolinium, titanium, aluminum, copper, brass and bronze.
- 15 9. A biopsy device which is compatible for use with a magnetic resonance imaging machine, said device comprising:
 - 20 a. a handle and a non-metallic elongated substantially tubular needle having a proximal end attached to said handle, a distal end extending therefrom, a longitudinal axis therebetween, and a lumen extending therethrough, said needle further including a port for receiving a tissue sample;
 - 25 b. a sharpened distal tip for insertion within tissue, said sharpened distal tip attached to said distal end of said needle and at least partially comprising a material which will leave an artifact under magnetic resonance imaging; and
 - c. a cutter, movable within said lumen, for obtaining a sample of tissue when the tissue is disposed within said port.
- 30 10. The device of claim 9 wherein said needle comprises a thermoplastic.
11. The device of claim 9 wherein said needle comprises a glass fiber reinforced polymer resin.

12. The device of claim 9 wherein said material which will leave an artifact under magnetic resonance imaging is selected from the group comprising: gadolinium, titanium, aluminum, copper, brass and bronze.

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